

**ABSTRACT**

The present invention relates to a method for compensating the impact of at least one defective pixel with a known position in a spatial light modulator (SLM) when creating a  
5 pattern of the SLM on a work piece covered with a layer sensitive to electromagnetic radiation. A source for emitting electromagnetic radiation is provided. Said radiation is illuminating said SLM having a plurality of modulating elements (pixels). In a writing pass an image of said modulator is projected on said work piece. A compensation for defective pixels in at least one other writing pass is performed. The invention also relates to an  
10 apparatus for performing said method.